

Converting Colors

CIELCh(68, 49.877, 301.255)

Have a look what the booklet for
CIELCh(68, 49.877, 301.255)
contains.

CIELCh(68, 50.056, 301.260)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 50.056, 301.260)

Conversions

Conversions Part 1

Format	Color
Hex	AB99F3
RGB	171, 153, 243
RGB Percent	67%, 60%, 95%
CMY	0.3289, 0.3995, 0.0465
CMYK	0.30, 0.37, 0.00, 0.05
HSL	252°, 79%, 78%
HSV	252°, 37%, 95%
XYZ	44.4295, 37.9720, 89.8842
YIQ	168.6420, -18.1620, 31.8060

Conversions

Conversions Part 2

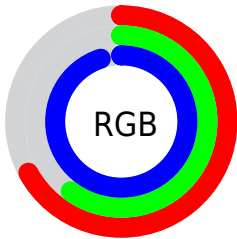
Format	Color
R_{YB}	171, 153, 243
Decimal	11246067
CIE _{Lab}	68.00, 25.98, -42.79
CIE _{LCh}	68, 50.056, 301.260
Yxy	37.9720, 0.2579, 0.2204
Android (android.graphics.Color)	4289436147 (0xFFAB99F3)
YUV	168.6420, 36.6585, 2.0680
Hunter-Lab	61.6215, 20.8623, -43.3484

Details

The CIELCh color **68, 50.056, 301.260** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93, 45.896, 115.450**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 26.315, 307.813**, and **48, 49.730, 301.133** is the 20% darker color. If you saturate the color by 10%, you get **61, 64.706, 302.429**, and if you desaturate by 10%, it is **76, 35.847, 300.212**.

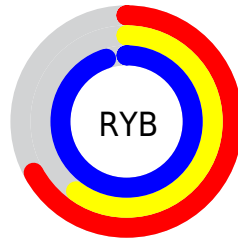
Distribution



Red (67%)

Green (60%)

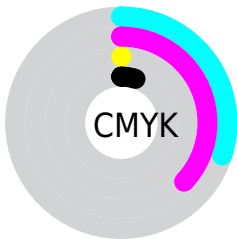
Blue (95%)



Red (67%)

Yellow (60%)

Blue (95%)

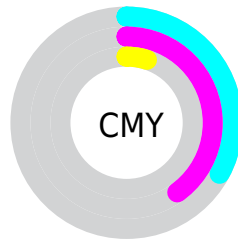


Cyan (30%)

Magenta (37%)

Yellow (0%)

Black (5%)



Cyan (33%)


Magenta (40%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 50.056, 301.260 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 68, 50.056, 301.260 by changing the saturation by 10% instead.


 68, 50.056,
301.260

 68, 50.056,
301.260


 100, 50.056,
301.260


 58, 50.056,
301.260


 88, 50.056,
301.260

 48, 50.056,
301.260

 98, 50.056,
301.260

 38, 50.056,
301.260

 28, 50.056,
301.260

 18, 50.056,
301.260

 8, 50.056, 301.260

 0, 50.056, 301.260

68, 50.056,
301.260

68, 50.056,
301.260

61, 64.706,
302.429

76, 35.847,
300.212

53, 79.610,
303.686

83, 22.149,
299.290

47, 94.315,
304.956

91, 8.967, 298.489

41, 107.925,
306.095

98, 3.717, 117.804

100, 6.007,
109.716

36, 118.974,
306.888

33, 125.851,
307.121

32, 127.341,
307.146

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68, 50.056, 301.260



93, 45.896, 115.450

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 50.056, 301.260



68, 50.056, 351.260



68, 50.056, 121.260



68, 50.056, 171.260

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



68, 50.055, 301.260



91, 14.710, 298.797



86, 23.969, 221.476



48, 9.909, 298.905



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68, 50.055, 301.260



66, 62.627, 302.078



72, 53.064, 317.329



47, 7.332, 298.677



24, 104.049, 307.255



4, 40.507, 304.235

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



74, 49.399, 332.961



74, 60.483, 333.465



90, 51.613, 133.895



48, 7.623, 331.096



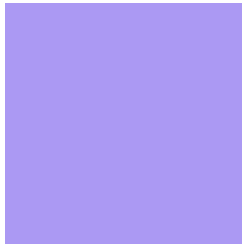
42, 78.111, 338.166



10, 35.425, 336.597

Previews

White Background



This preview shows how the CIELCh color 68, 50.056, 301.260 looks on a white background.

Color Contrast Check

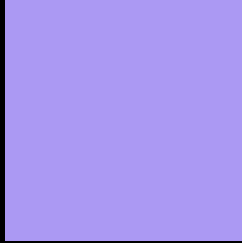
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 68, 50.056, 301.260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

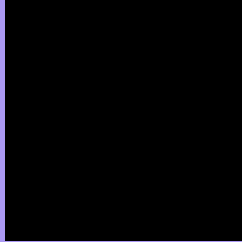
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 50.056, 301.260

Background



This preview shows how black text looks on a background with the CIELCh color 68, 50.056, 301.260.

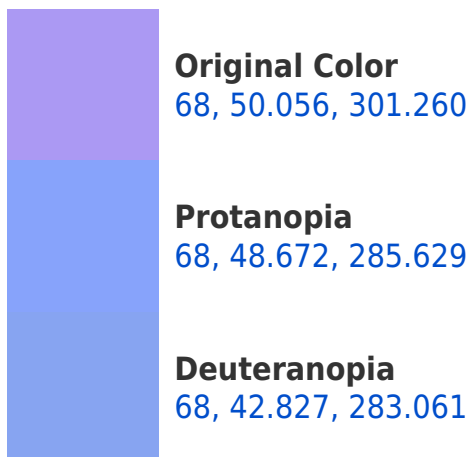


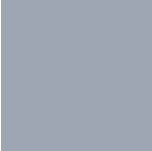
This preview shows how white text looks on a background with the CIELCh color 68, 50.056, 301.260.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
68, 7.669, 268.728

Trichromacy



Original Color
68, 50.056, 301.260

Protanomaly
68, 49.015, 291.223

Deuteranomaly
68, 45.194, 290.103

Tritanomaly
68, 22.672, 294.189

Monochromacy



Original Color
68, 50.056, 301.260

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 18.398, 299.691

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 50.056, 301.260 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(171, 153, 243)` looks like.

```
.text, #text, p{  
    color:rgb(171, 153, 243)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(171, 153, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 153, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 50.056, 301.260 is called "border". The border property can be set on classes, ids or directly on the HTML element.

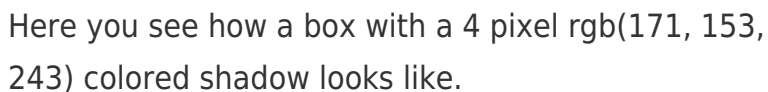
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 153, 243) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(171, 153, 243) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(171, 153, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 153, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 153, 243);  
box-shadow:4px 4px 4px 4px rgb(171, 153,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 50.056, 301.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 153, 243) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(171,  
153, 243) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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